Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1626GMS

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
NEWS	17	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	18	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAplus

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:26:57 ON 03 MAY 2005

=> d l1
NO L# DEFINED

There are no L# queries, structures, or screen sets
defined in the current session.

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:27:15 ON 03 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0
DICTIONARY FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

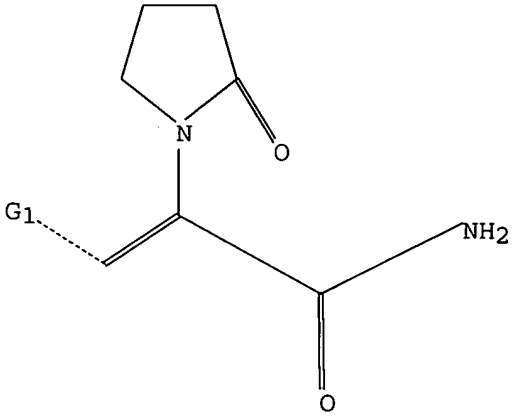
****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

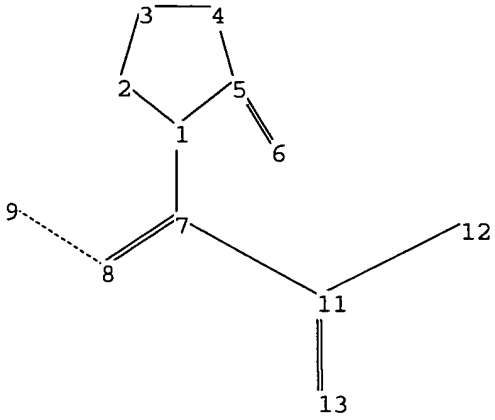
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more

information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10824345.str





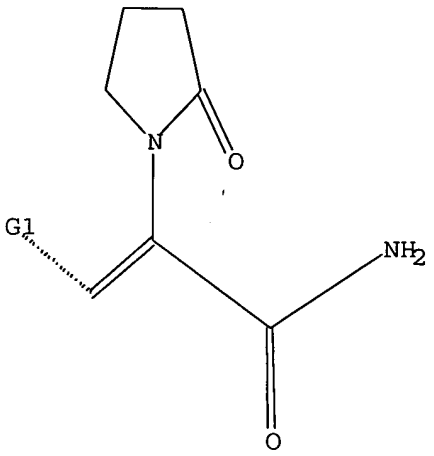
chain nodes :
6 7 8 9 11 12 13
ring nodes :
1 2 3 4 5
chain bonds :
1-7 5-6 7-8 7-11 8-9 11-12 11-13
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-7 5-6 8-9 11-12 11-13
exact bonds :
2-3 3-4 4-5 7-8 7-11
isolated ring systems :
containing 1 :

G1:H,CH3,OH,NH2,NO2,X,Cy

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 H,Me,OH,NH2,NO2,X,Cy

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 11:27:30 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     660 TO ITERATE

100.0% PROCESSED      660 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        11659 TO    14741
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 11:27:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  13692 TO ITERATE

100.0% PROCESSED   13692 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

L3             1 SEA SSS FUL L1

=> FIL CAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   161.33     161.54

FILE 'CAPLUS' ENTERED AT 11:27:56 ON 03 MAY 2005
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COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)
```

FILE COVERS 1907 - 3 May 2005 VOL 142 ISS 19
FILE LAST UPDATED: 2 May 2005 (20050502/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 1 L3

=> d l4 ibib abs hitstr tot

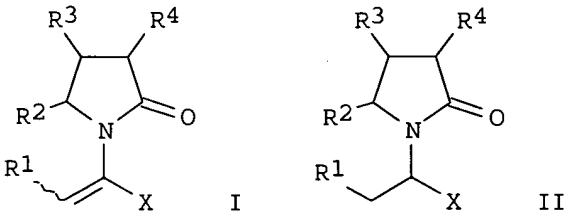
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:661386 CAPLUS
DOCUMENT NUMBER: 135:210935
TITLE: Process for preparation of 2-oxo-1-pyrrolidine derivatives
INVENTOR(S): Surtees, John; Marmon, Violeta; Differding, Edmond; Zimmermann, Vincent
PATENT ASSIGNEE(S): Ucb Farchim S.A. (Ag - Ltd), Switz.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001064637	A1	20010907	WO 2001-EP101956	20010221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2401048	AA	20010907	CA 2001-2401048	20010221
AU 2001073896	A5	20010912	AU 2001-73896	20010221
AU 778510	B2	20041209		
EP 1263727	A1	20021211	EP 2001-940256	20010221
EP 1263727	B1	20041117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001008657	A	20030429	BR 2001-8657	20010221
JP 2003528828	T2	20030930	JP 2001-563480	20010221
EP 1447399	A1	20040818	EP 2004-7733	20010221

	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1452524		A1	20040901	EP 2004-7878	20010221
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1477478		A2	20041117	EP 2004-8270	20010221
EP 1477478		A3	20041124		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 282592		E	20041215	AT 2001-940256	20010221
ZA 2002005671		A	20031110	ZA 2002-5671	20020716
ZA 2002005837		A	20031104	ZA 2002-5837	20020722
US 2003040631		A1	20030227	US 2002-204275	20020820
US 6713635		B2	20040330		
BG 107016		A	20030430	BG 2002-107016	20020820
NO 2002003995		A	20021021	NO 2002-3995	20020822
US 2004092576		A1	20040513	US 2003-609544	20030701
US 6858740		B2	20050222		
US 2004192757		A1	20040930	US 2004-824345	20040415
PRIORITY APPLN. INFO.:				GB 2000-4297	A 20000223
				EP 2001-925354	A3 20010221
				EP 2001-940256	A3 20010221
				WO 2001-EP1956	W 20010221
				US 2002-204275	A3 20020820
				US 2003-609544	A3 20030701

OTHER SOURCE(S): CASREACT 135:210935; MARPAT 135:210935

GI



I II

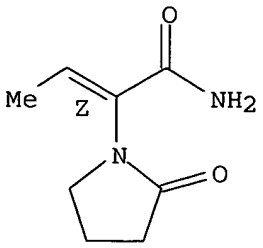
AB 2-Oxo-1-pyrrolidine derivs. (I; X = COOH, COOMe, COOEt, COONH2) were prepared and reacted to give chiral derivs. (II) by asym. hydrogenation in the presence of Rh(I) or Ru(II) catalysts. The invention also concerns a process for preparing α-ethyl-2-oxo-1-pyrrolidineacetamide derivs. from unsatd. 2-oxo-1-pyrrolidine derivs. Particularly the invention concerns novel intermediates and their use in methods for the preparation of (S)-α-ethyl-2-oxo-1-pyrrolidineacetamide.

IT **358629-47-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and asym. hydrogenation with rhodium or ruthenium catalysts)

RN 358629-47-7 CAPLUS

CN 1-Pyrrolidineacetamide, α-ethylidene-2-oxo-, (αZ)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.09	169.63

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

FILE 'REGISTRY' ENTERED AT 11:32:11 ON 03 MAY 2005
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STRUCTURE FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0
DICTIONARY FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

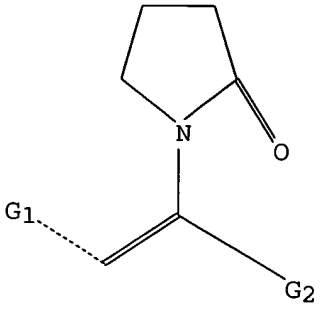
****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

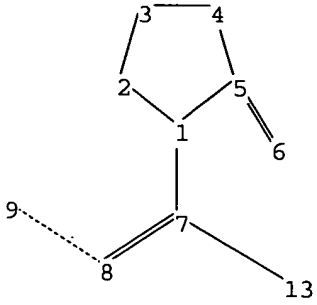
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>

Uploading C:\Program Files\Stnexp\Queries\10824345a.str





chain nodes :
6 7 8 9 13
ring nodes :
1 2 3 4 5
chain bonds :
1-7 5-6 7-8 7-13 8-9
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-7 5-6 7-13 8-9
exact bonds :
2-3 3-4 4-5 7-8
isolated ring systems :
containing 1 :

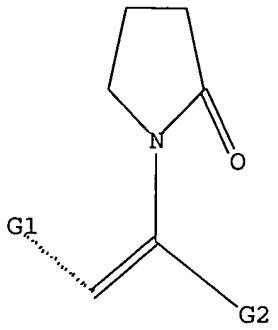
G1:H,CH3,OH,NH2,NO2,X,Cy

G2:COOH,CN,CHO,C(O)CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
13:CLASS

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



G1 H,Me,OH,NH2,NO2,X,Cy

G2 COOH,CN,CHO,C(O)CH3

Structure attributes must be viewed using STN Express query preparation.

```
=> s l5
SAMPLE SEARCH INITIATED 11:32:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   1393 TO ITERATE

 71.8% PROCESSED    1000 ITERATIONS                          2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       25621 TO    30099
PROJECTED ANSWERS:              2 TO      155

L6             2 SEA SSS SAM L5

=> s l5 sss full
FULL SEARCH INITIATED 11:32:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  28512 TO ITERATE

100.0% PROCESSED   28512 ITERATIONS                        12 ANSWERS
SEARCH TIME: 00.00.01

L7            12 SEA SSS FUL L5

=> FIL CAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             161.33     330.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -0.73

FILE 'CAPLUS' ENTERED AT 11:32:55 ON 03 MAY 2005
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```

FILE COVERS 1907 - 3 May 2005 VOL 142 ISS 19
FILE LAST UPDATED: 2 May 2005 (20050502/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l7
L8              6 L7

=> s l7/p
L9              6 L7/P

=> s l8 and process
       2079038 PROCESS
       1390204 PROCESSES
       3094332 PROCESS
                 (PROCESS OR PROCESSES)
L10             1 L8 AND PROCESS

=> d l8 ibib abs hitstr tot

L8   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2004:144010  CAPLUS
DOCUMENT NUMBER:          140:321449
TITLE:                    Reaction of β-ethoxyvinyl lithiums generated from
                          phenyltellanyl- and ethyltellanylacetaldehyde diethyl
                          acetals with aldehydes and ketones and successive
                          hydrations
AUTHOR(S):                Yoshimatsu, Mitsuhiro; Hatanaka, Fumihiro
CORPORATE SOURCE:         Department of Chemistry, Faculty of Education, Gifu
                          University, Gifu, 501-1193, Japan
SOURCE:                   Chemical & Pharmaceutical Bulletin (2004), 52(2),
                          248-253
                          CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER:                Pharmaceutical Society of Japan
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
GI
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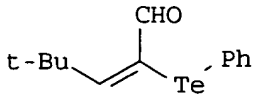
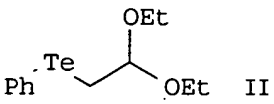


I



II

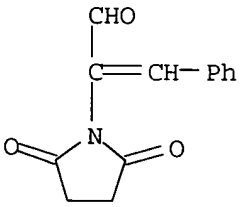
t-Bu—CHO III

AB The authors reported the first general synthetic method for α-tellanyl α,β-unsatd. aldehydes, e.g. I, using α-tellanyl-acetaldehyde di-Et acetals, e.g. II, with aldehydes and ketones, e.g. III, in good to high yield. α-Tellanyl α,β-unsatd. aldehydes can be easily transformed to more useful compds.

IT **678974-11-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(reaction of β-ethoxyvinyl lithiums generated from phenyltellanyl- and ethyltellanylacetaldehyde di-Et acetals with aldehydes and ketones)

RN 678974-11-3 CAPLUS

CN 1-Pyrrolidineacetaldehyde, 2,5-dioxo-α-(phenylmethylene)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:391315 CAPLUS

DOCUMENT NUMBER: 136:386130

TITLE: Preparation of pyrimidinyllactam-substituted pyrazolopyridines as inhibitors of cGMP degradation

INVENTOR(S): Stasch, Johannes-Peter; Feurer, Achim; Weigand, Stefan; Stahl, Elke; Flubacher, Dietmar; Alonso-Alija, Cristina; Wunder, Frank; Lang, Dieter; Dembowsky, Klaus; Straub, Alexander; Perzborn, Elisabeth

PATENT ASSIGNEE(S): Bayer AG, Germany

SOURCE: Ger. Offen., 38 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

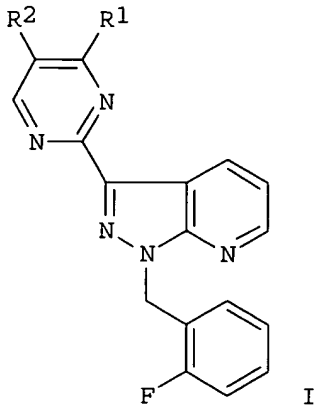
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

DE 10122895	A1	20020523	DE 2001-10122895	20010511
CA 2429308	AA	20020530	CA 2001-2429308	20011109
WO 2002042299	A1	20020530	WO 2001-EP12965	20011109
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002021827	A5	20020603	AU 2002-21827	20011109
EP 1339716	A1	20030903	EP 2001-997487	20011109
EP 1339716	B1	20041103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004520285	T2	20040708	JP 2002-544433	20011109
PRIORITY APPLN. INFO.:			DE 2000-10057752	A1 20001122
			DE 2001-10122895	A 20010511
			WO 2001-EP12965	W 20011109

OTHER SOURCE(S): MARPAT 136:386130
GI

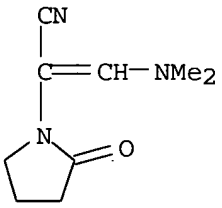


I

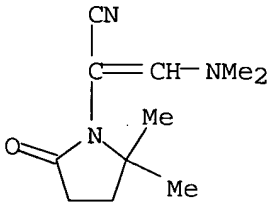
AB Title compds. [I; R1 = NH2, NHCO(C1-6 alkyl); R2 = R3NCOR4; R3NCOR4 = (substituted) (annelated) 5-7 membered heterocyclyl containing an addnl. heteroatom] were prepared Thus, an E/Z mixture of 3-(dimethylamino)-2-(3-oxo-4-morpholinyl)-2-propanenitrile (preparation given) was stirred with 1-(2-fluorobenzyl)-1H-pyrazolo[3,4-b]pyridine-3-carboxamidine (preparation given) in xylene at 120° overnight to give 5.56% 4-(4-amino-2-[1-(2-fluorobenzyl)-1H-pyrazolo[3,4-b]pyridin-3-yl]-5-pyrimidinyl)-3-morpholinone. Several I showed a vessel relaxation effect with IC50 = 0.25-1.99 μM.

IT **92884-69-0P 426818-14-6P 426818-15-7P 426818-16-8P 426818-30-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrimidinyllactam-substituted pyrazolopyridines as

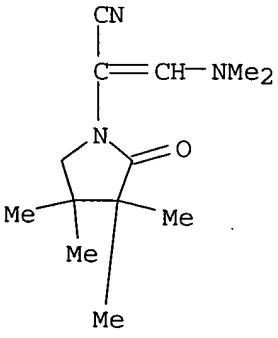
inhibitors of cGMP degradation)
RN 92884-69-0 CAPLUS
CN 1-Pyrrolidineacetonitrile, α-[(dimethylamino)methylene]-2-oxo- (9CI) (CA INDEX NAME)



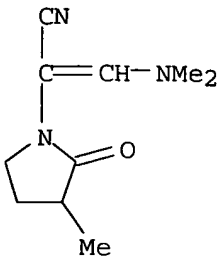
RN 426818-14-6 CAPLUS
CN 1-Pyrrolidineacetonitrile, α-[(dimethylamino)methylene]-2,2-dimethyl-5-oxo- (9CI) (CA INDEX NAME)



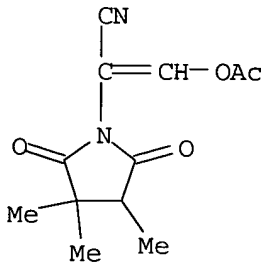
RN 426818-15-7 CAPLUS
CN 1-Pyrrolidineacetonitrile, α-[(dimethylamino)methylene]-3,3,4,4-tetramethyl-2-oxo- (9CI) (CA INDEX NAME)



RN 426818-16-8 CAPLUS
CN 1-Pyrrolidineacetonitrile, α-[(dimethylamino)methylene]-3-methyl-2-oxo- (9CI) (CA INDEX NAME)



RN 426818-30-6 CAPLUS
CN 1-Pyrrolidineacetonitrile, α-[(acetyloxy)methylene]-3,3,4-trimethyl-2,5-dioxo- (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:661386 CAPLUS
DOCUMENT NUMBER: 135:210935
TITLE: Process for preparation of 2-oxo-1-pyrrolidine derivatives
INVENTOR(S): Surtees, John; Marmon, Violeta; Differding, Edmond; Zimmermann, Vincent
PATENT ASSIGNEE(S): Ucb Farchim S.A. (Ag - Ltd), Switz.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001064637	A1	20010907	WO 2001-EP101956	20010221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2401048	AA	20010907	CA 2001-2401048	20010221
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AU 778510	B2	20041209		

EP 1263727	A1	20021211	EP 2001-940256	20010221
EP 1263727	B1	20041117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001008657	A	20030429	BR 2001-8657	20010221
JP 2003528828	T2	20030930	JP 2001-563480	20010221
EP 1447399	A1	20040818	EP 2004-7733	20010221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1452524	A1	20040901	EP 2004-7878	20010221
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EP 1477478	A2	20041117	EP 2004-8270	20010221
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AT 282592	E	20041215	AT 2001-940256	20010221
ZA 2002005671	A	20031110	ZA 2002-5671	20020716
ZA 2002005837	A	20031104	ZA 2002-5837	20020722
US 2003040631	A1	20030227	US 2002-204275	20020820
US 6713635	B2	20040330		
BG 107016	A	20030430	BG 2002-107016	20020820
NO 2002003995	A	20021021	NO 2002-3995	20020822
US 2004092576	A1	20040513	US 2003-609544	20030701
US 6858740	B2	20050222		
US 2004192757	A1	20040930	US 2004-824345	20040415
PRIORITY APPLN. INFO.:			GB 2000-4297	A 20000223
			EP 2001-925354	A3 20010221
			EP 2001-940256	A3 20010221
			WO 2001-EP1956	W 20010221
			US 2002-204275	A3 20020820
			US 2003-609544	A3 20030701

OTHER SOURCE(S): CASREACT 135:210935; MARPAT 135:210935

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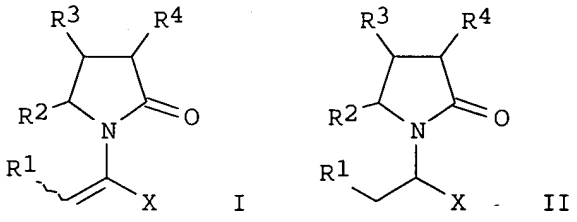


AB 2-Oxo-1-pyrrolidine derivs. (I; X = COOH, COOMe, COOEt, COONH2) were prepared and reacted to give chiral derivs. (II) by asym. hydrogenation in the presence of Rh(I) or Ru(II) catalysts. The invention also concerns a process for preparing α-ethyl-2-oxo-1-pyrrolidineacetamide derivs. from unsatd. 2-oxo-1-pyrrolidine derivs. Particularly the invention concerns novel intermediates and their use in methods for the preparation of (S)-α-ethyl-2-oxo-1-pyrrolidineacetamide.

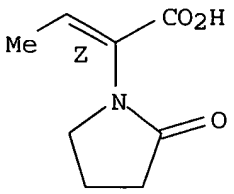
IT **358629-39-7P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation, esterification, amidation and asym. hydrogenation with rhodium or ruthenium catalysts)

RN 358629-39-7 CAPLUS
CN 1-Pyrrolidineacetic acid, α-ethylidene-2-oxo-, (αZ)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:491840 CAPLUS
DOCUMENT NUMBER: 115:91840
TITLE: Preparation of phenylnonadienoic acid derivatives as antihyperlipidemics
INVENTOR(S): Nakai, Hideo; Tanaka, Takashi; Nomura, Sumihiro; Takashima, Kohki; Suzuki, Kazuko
PATENT ASSIGNEE(S): Tanabe Seiyaku Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 430129	A2	19910605	EP 1990-122525		19901126
EP 430129	A3	19920226			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE					
CA 2031174	AA	19910531	CA 1990-2031174		19901129
JP 04066552	A2	19920302	JP 1990-336011		19901129
PRIORITY APPLN. INFO.:			JP 1989-313053	A	19891130
			JP 1990-92551	A	19900406

OTHER SOURCE(S): MARPAT 115:91840
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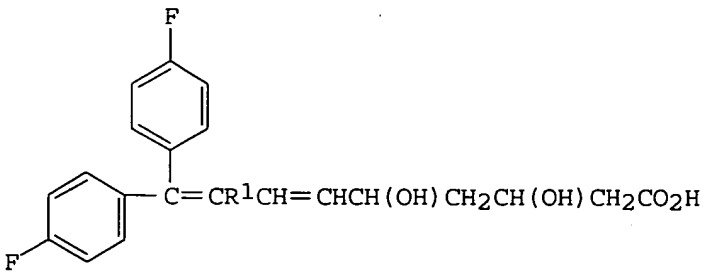


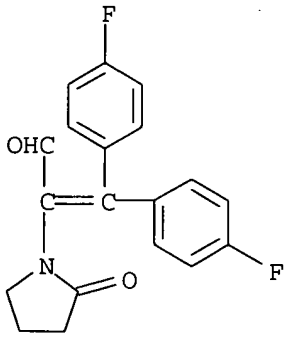
I

AB Title compds. I [R1 = (substituted) Ph, thienyl, furyl, oxopyrrolidinyl, pyridyl], ester, amide, lactone, salt thereof, are prepared To (E)-5,5-(4-FC6H4)2C:CPhCH:CHCN (preparation given) in THF was added (Me2CHCH2)2AlH to give the pentadienal which was treated with NaH and MeCOCH2CO2Me and BuLi to give the nonadienoate which in THF was treated with Et3B-tetrahydropyran to give the dihydroxynonadienoate which in MeOH was treated with aqueous NaOH to give (3R,5S)-(E)-I.Na (R1 = Ph) (II). The inhibitory activity against rat hepatic microsomal 3-hydroxy-3-methylglutaryl-CoA reductase of II at 10-4 and 10-6 M was 96 and 79%, resp.

IT **135564-12-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of antihyperlipidemics)

RN 135564-12-4 CAPLUS

CN 1-Pyrrolidineacetaldehyde, α-[bis(4-fluorophenyl)methylene]-2-oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1990:531438 CAPLUS

DOCUMENT NUMBER: 113:131438

TITLE: The origin of color and EPR spectral phenomena during the reaction between acetone and the tetrabutylammonium tetramethylsuccinimide/N-bromotetramethylsuccinimide complex

AUTHOR(S): Eberson, Lennart; Kubacek, Pavel

CORPORATE SOURCE: Chem. Cent., Univ. Lund, Lund, S-221 00, Swed.

SOURCE: Acta Chemica Scandinavica (1990), 44(4), 384-93
CODEN: ACHSE7; ISSN: 0904-213X

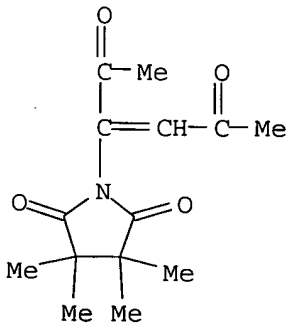
DOCUMENT TYPE: Journal

LANGUAGE: English

AB The reaction between the tetrabutylammonium tetramethylsuccinimide/N-bromo-tetramethylsuccinimide complex (the T complex) and acetone produces a transient purple color and an EPR signal (a quintet). These phenomena accompany the main reaction, which consists of successive brominations/tetramethylsuccinimido substitutions of acetone. With two of the consecutively formed products, tetramethylsuccinimidoacetone and 1,3-bis(tetramethylsuccinimido)acetone, the same phenomena appear with successively increasing intensity and also earlier during the reaction course. It is suggested that the purple color originates in the monobromination of 1,3-bis(tetramethylsuccinimido)acetone, followed by proton abstraction and bromide loss to give the 1,3-bis(tetramethylsuccinimido)-2-oxidoalyl species. This oxyallyl derivative is

a true zwitterionic chromogen, analog of which are known to display similar color. The EPR signal was shown to originate from a related oxyallylic species, 1,3-dibromo-1,3-bis(tetramethylsuccinimido)-2-oxidoallyl radical cation, a representative of a novel class of intermediate, ylidions. The same signal could be produced by treating either 1,1,3,3-tetrabromoacetone or pentabromoacetone with the T complex. A related ylidion, the radical cation of 2,3-bis(N,N-diethylamino)cyclopropenone, was generated as a model. Suitable six-carbon 1,4-diketones, such as hexane-2,5-dione or cyclohexane-1,4-dione, upon treatment with the T complex gave solns. containing high concns. of the radical anion of tetrakis(tetramethylsuccinimido)-1,4-benzoquinone.

IT **129277-90-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 129277-90-3 CAPLUS
CN 2,5-Pyrrolidinedione, 1-(1-acetyl-3-oxo-1-butenyl)-3,3,4,4-tetramethyl-(9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1984:591608 CAPLUS
DOCUMENT NUMBER: 101:191608
TITLE: Synthesis and biological activity of N-substituted pyrrolid-2-ones
AUTHOR(S): Stezhko, T. V.; Granik, V. G.; Glushkov, R. G.; Roshchina, L. F.; Polezhaeva, A. I.; Mashkovskii, M. D.
CORPORATE SOURCE: Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow, USSR
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1984), 18(7), 823-7
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 101:191608
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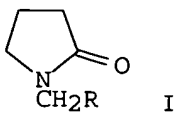


I

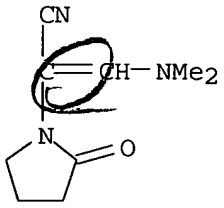
AB 2-Pyrrolidinones I [R = CON:CR1NMe2 (R1 = H, Me), C(:NH)NH2, C(CN):CHNMe2

(II), CH2NHAc, CH2CH2NHBz, CH2NHCH2CH2CN, etc.] were prepared in 47-92% yields starting from I (R = CONH2 and R = CN) by a variety of reactions. Pyrrolidinone II was effective in treatment of acute hypoxia in mice enclosed in sealed 250 mL containers by increasing the life span 44.2 min at 500 mg/kg and 60.8 min at 1000 mg/kg compared to a control group.

IT **92884-69-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and hypoxia inhibition by)

RN 92884-69-0 CAPLUS

CN 1-Pyrrolidineacetonitrile, α-[(dimethylamino)methylene]-2-oxo- (9CI) (CA INDEX NAME)



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L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:661386 CAPLUS
DOCUMENT NUMBER: 135:210935
TITLE: **Process** for preparation of 2-oxo-1-pyrrolidine derivatives
INVENTOR(S): Surtees, John; Marmon, Violeta; Differding, Edmond; Zimmermann, Vincent
PATENT ASSIGNEE(S): Ucb Farchim S.A. (Ag - Ltd), Switz.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001064637	A1	20010907	WO 2001-EP101956	20010221
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2401048	AA	20010907	CA 2001-2401048	20010221
AU 2001073896	A5	20010912	AU 2001-73896	20010221
AU 778510	B2	20041209		
EP 1263727	A1	20021211	EP 2001-940256	20010221
EP 1263727	B1	20041117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001008657		A	20030429	BR 2001-8657	20010221
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EP 1447399		A1	20040818	EP 2004-7733	20010221
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EP 1452524		A1	20040901	EP 2004-7878	20010221
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ZA 2002005671		A	20031110	ZA 2002-5671	20020716
ZA 2002005837		A	20031104	ZA 2002-5837	20020722
US 2003040631		A1	20030227	US 2002-204275	20020820
US 6713635		B2	20040330		
BG 107016		A	20030430	BG 2002-107016	20020820
NO 2002003995		A	20021021	NO 2002-3995	20020822
US 2004092576		A1	20040513	US 2003-609544	20030701
US 6858740		B2	20050222		
US 2004192757		A1	20040930	US 2004-824345	20040415
PRIORITY APPLN. INFO.:				GB 2000-4297	A 20000223
				EP 2001-925354	A3 20010221
				EP 2001-940256	A3 20010221
				WO 2001-EP1956	W 20010221
				US 2002-204275	A3 20020820
				US 2003-609544	A3 20030701

OTHER SOURCE(S): CASREACT 135:210935; MARPAT 135:210935

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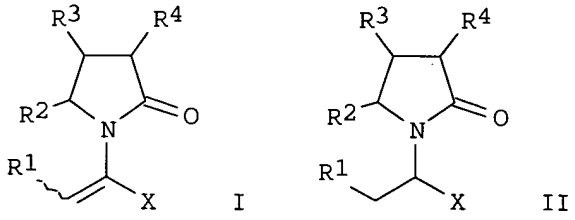


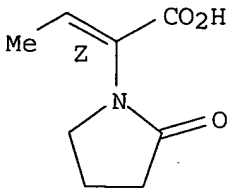
AB 2-Oxo-1-pyrrolidine derivs. (I; X = COOH, COOMe, COOEt, COONH2) were prepared and reacted to give chiral derivs. (II) by asym. hydrogenation in the presence of Rh(I) or Ru(II) catalysts. The invention also concerns a **process** for preparing α-ethyl-2-oxo-1-pyrrolidineacetamide derivs. from unsatd. 2-oxo-1-pyrrolidine derivs. Particularly the invention concerns novel intermediates and their use in methods for the preparation of (S)-α-ethyl-2-oxo-1-pyrrolidineacetamide.

IT **358629-39-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, esterification, amidation and asym. hydrogenation with rhodium or ruthenium catalysts)

RN 358629-39-7 CAPLUS

CN 1-Pyrrolidineacetic acid, α-ethylidene-2-oxo-, (αZ)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	37.82	368.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.11	-5.84

STN INTERNATIONAL LOGOFF AT 11:34:43 ON 03 MAY 2005